

# $\text{Ce}^{3+}:\text{Y}_2\text{SiO}_5$ Absorption and Emission Spectra

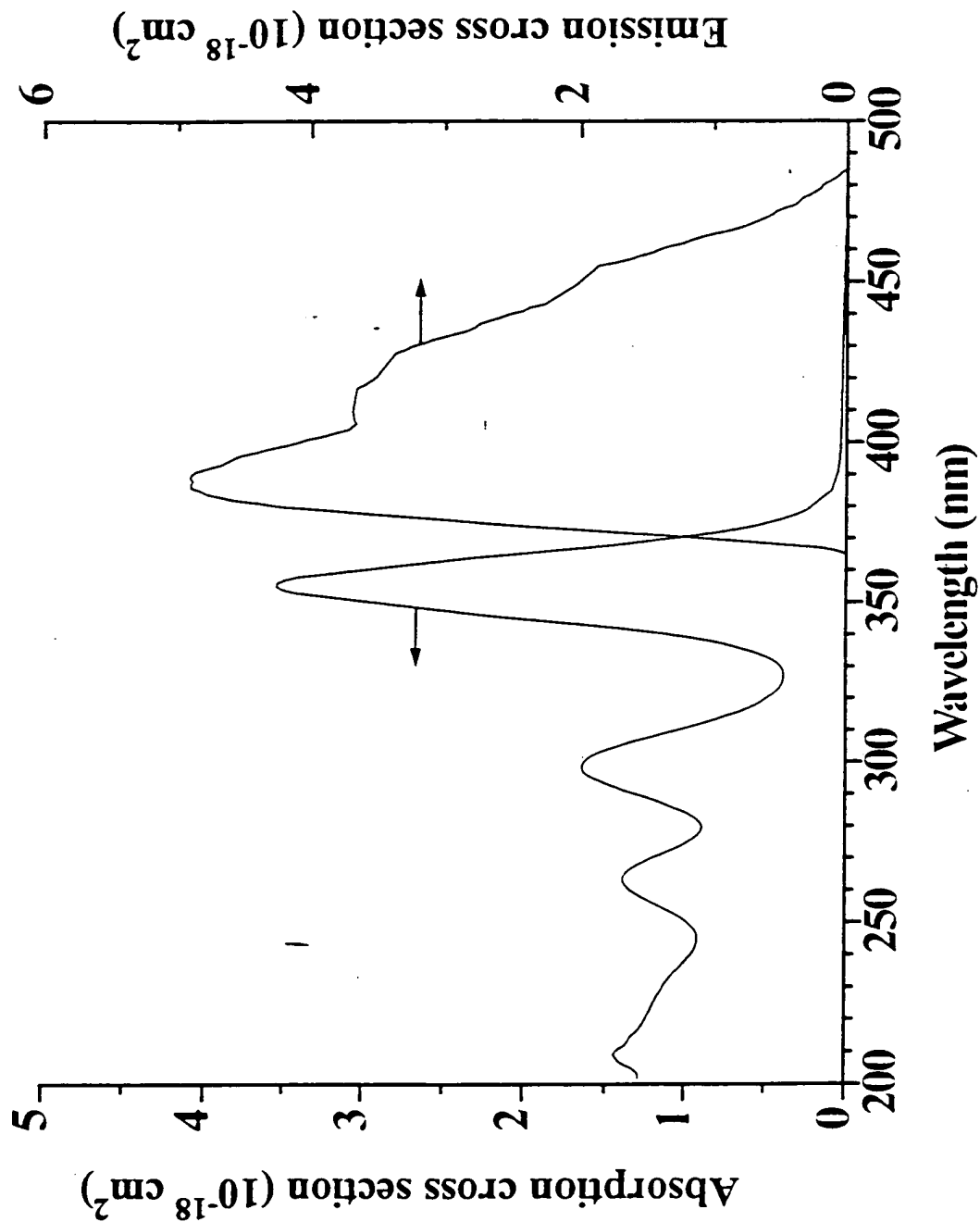


Fig. 1A (Y50)

# $\text{Ce}^{3+}:\text{Lu}_2\text{SiO}_5$ Absorption and Emission Spectra

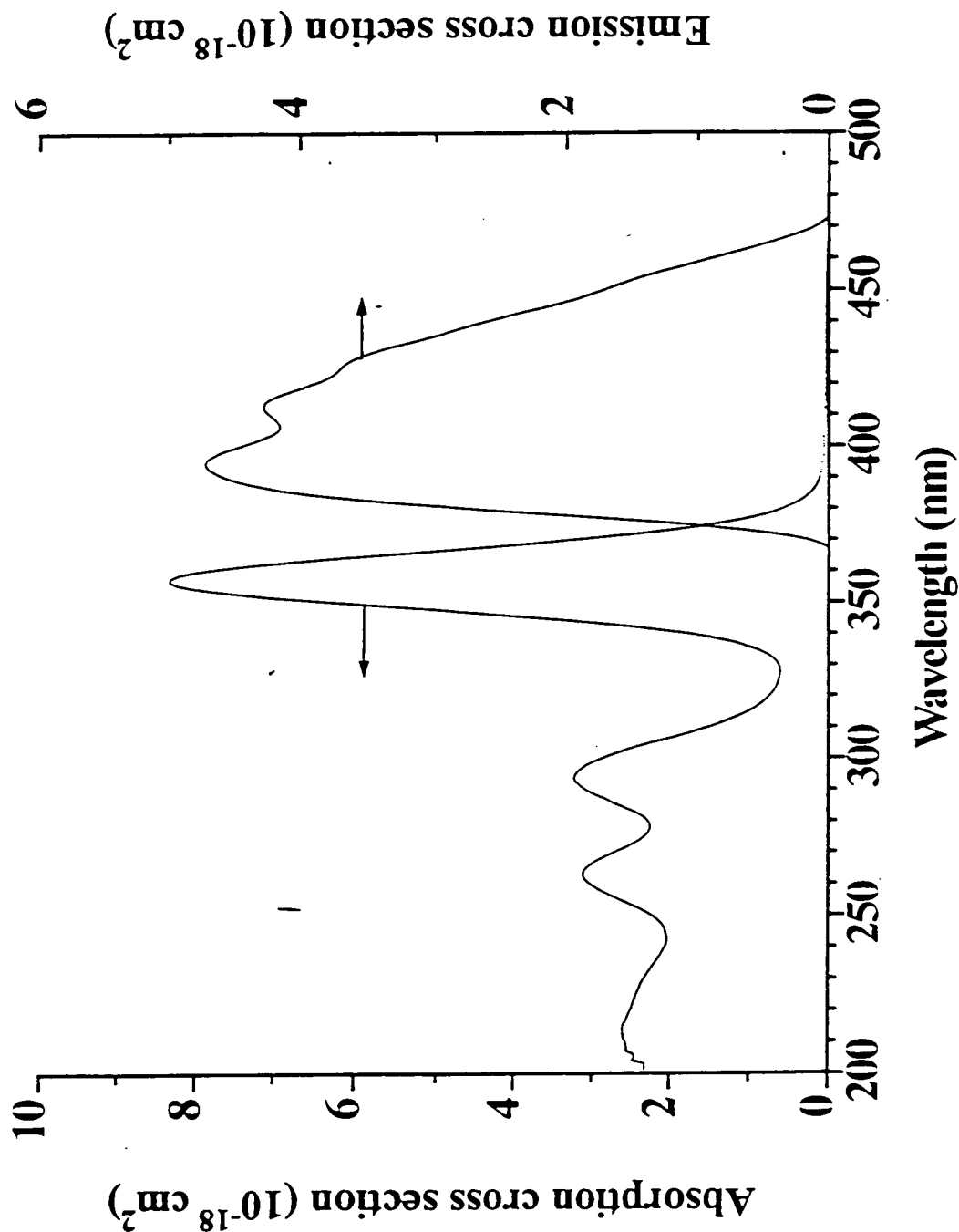


Fig. 1B (L50)

# Scintillating Detectors

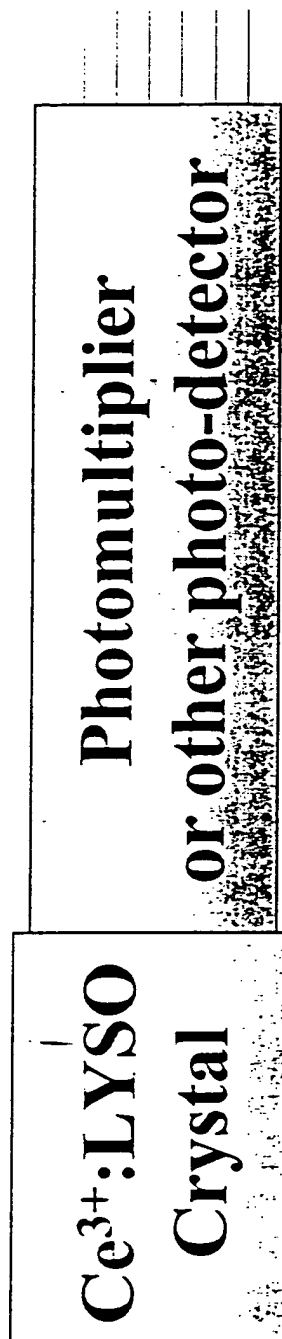
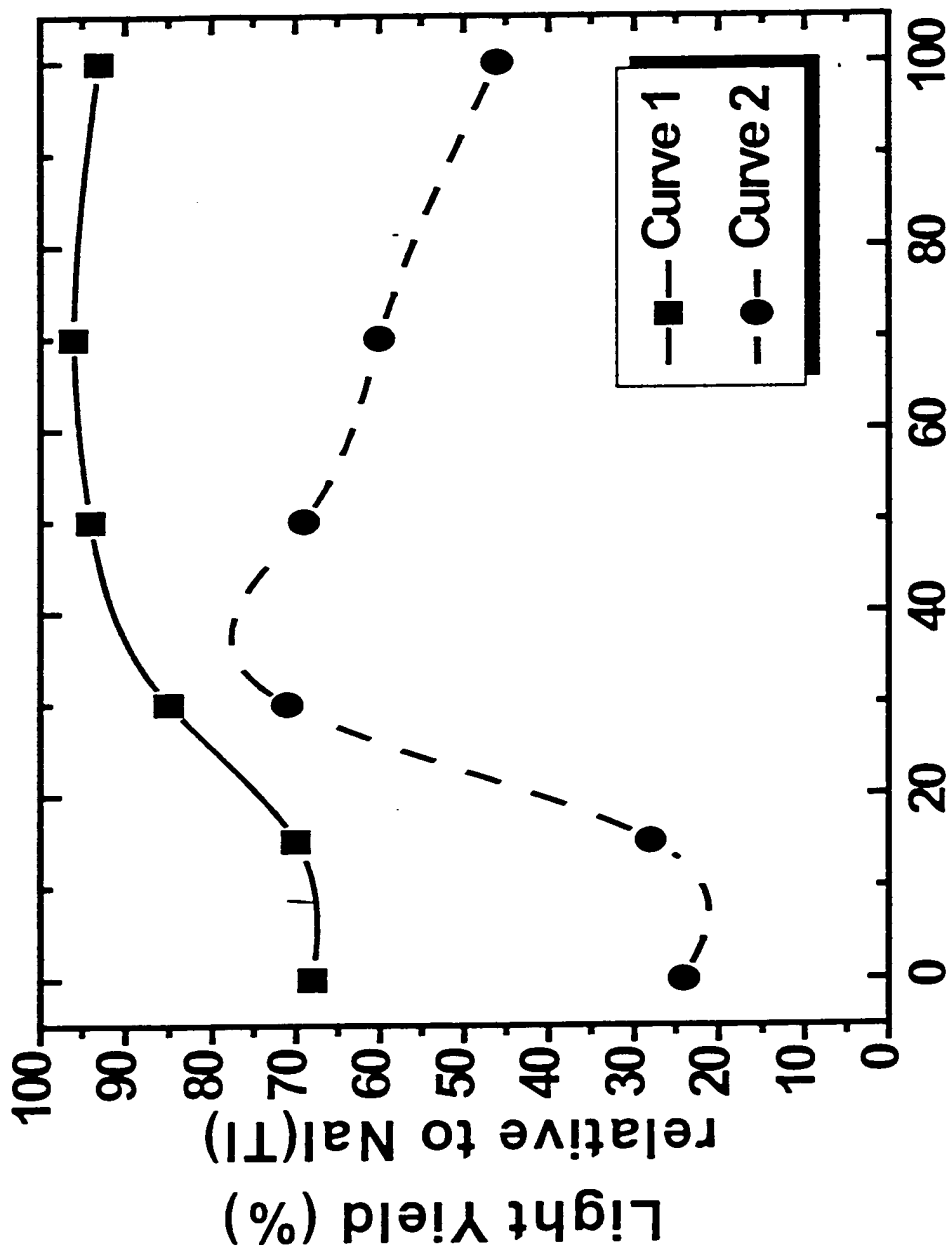


Fig. 2

# Scintillating Result

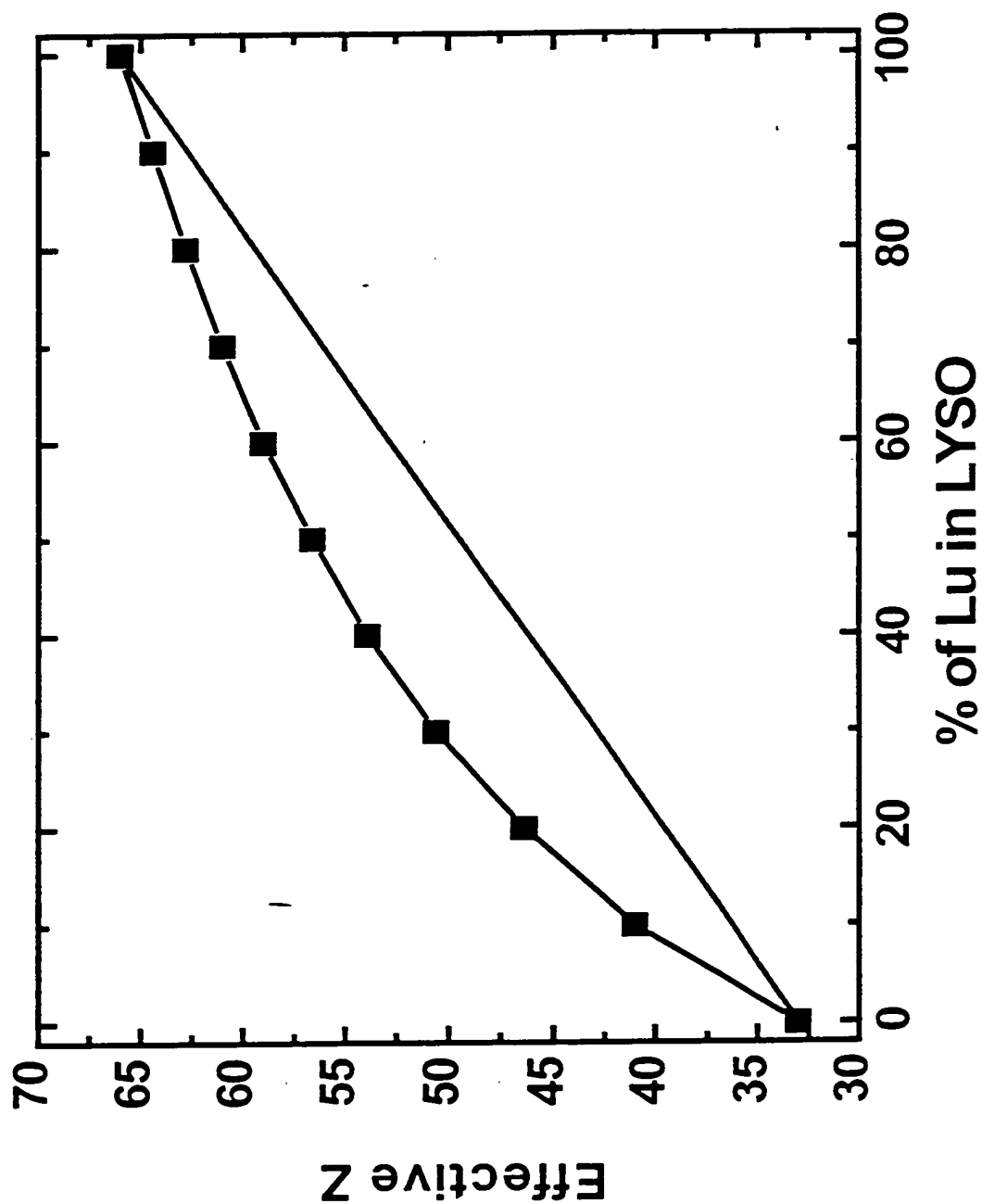


% of Lu in LYSO

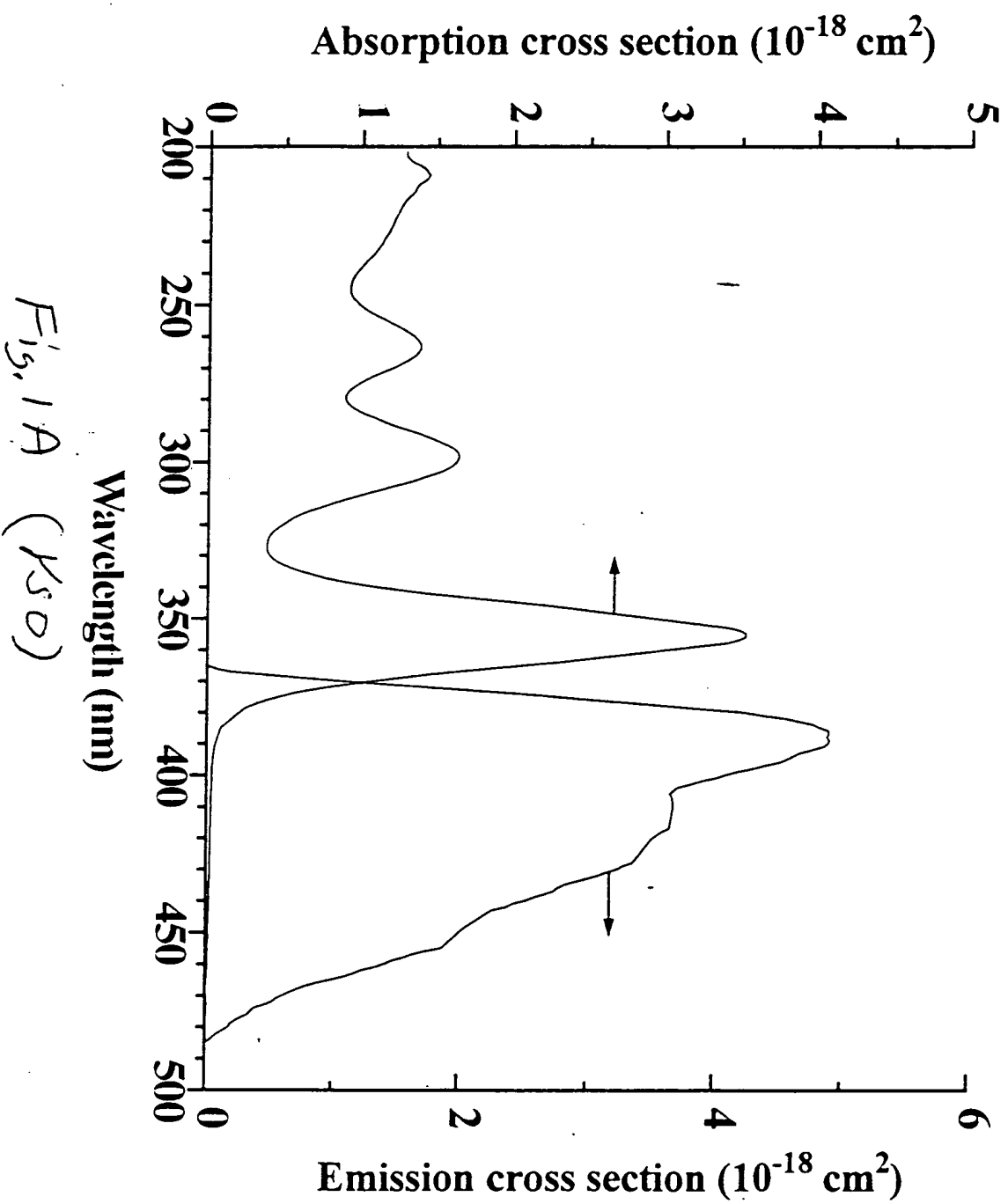
Fig 3

334000  
Fig. 1

# Effective Z as a function of Lu in LYSO



# $\text{Ce}^{3+}:\text{Y}_2\text{SiO}_5$ Absorption and Emission Spectra



# $\text{Ce}^{3+}:\text{Lu}_2\text{SiO}_5$ Absorption and Emission Spectra

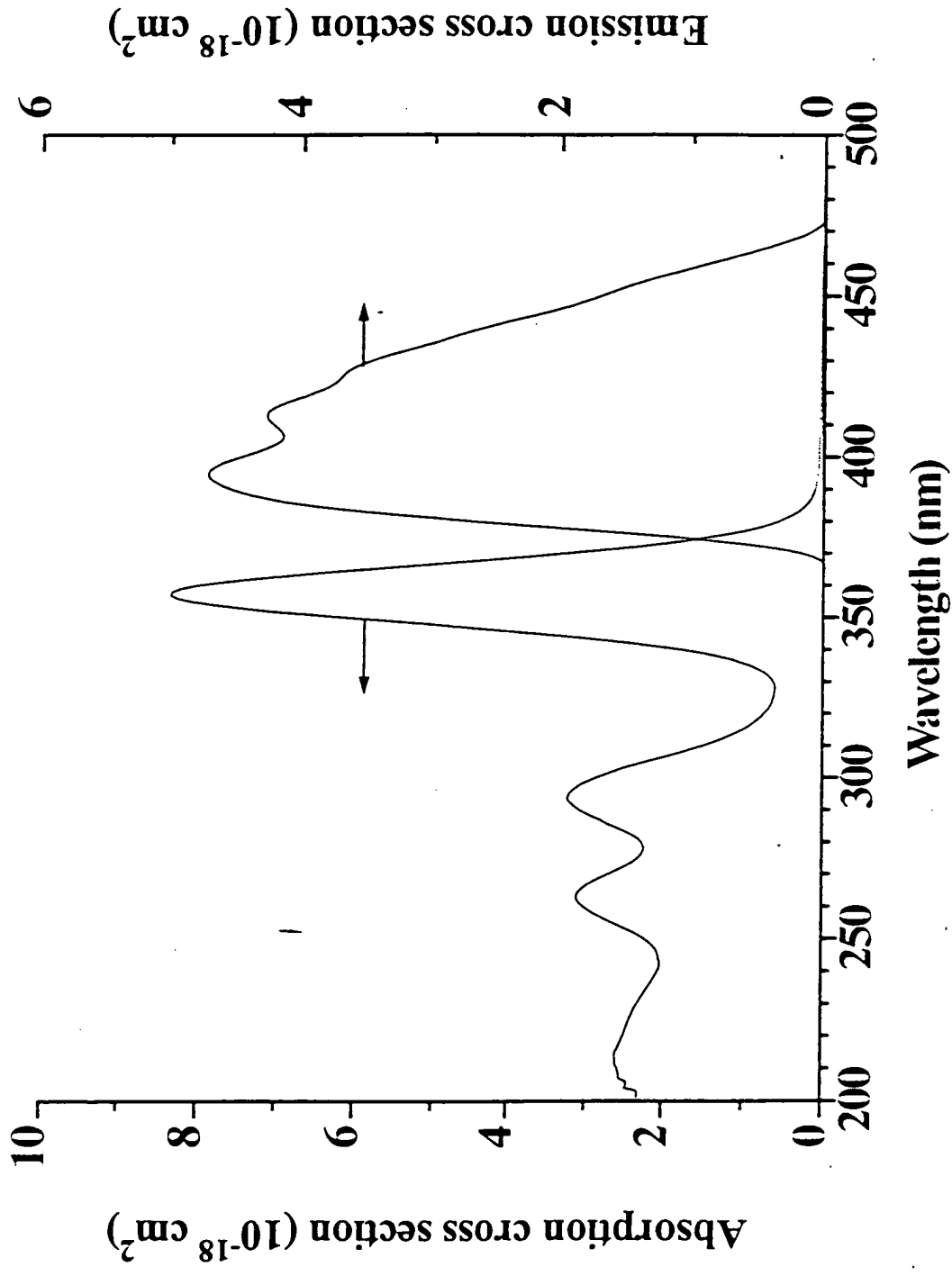


Fig. 1B (L50)

# Scintillating Detectors

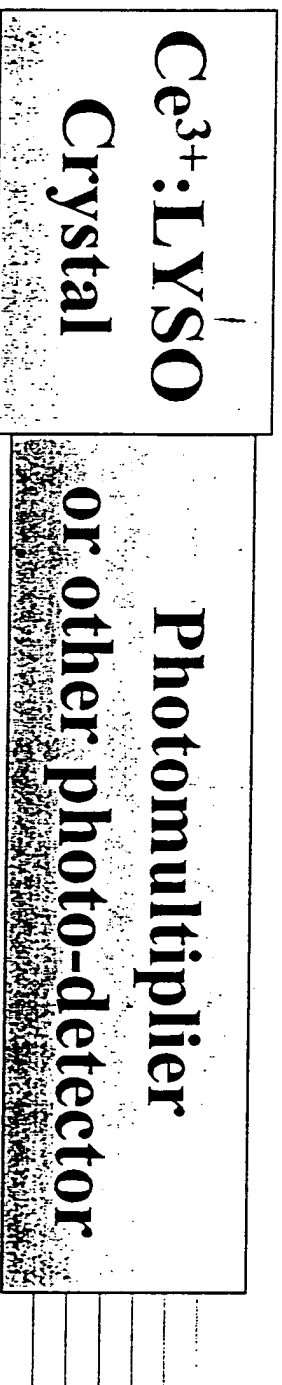


Fig. 2



# Scintillating Result

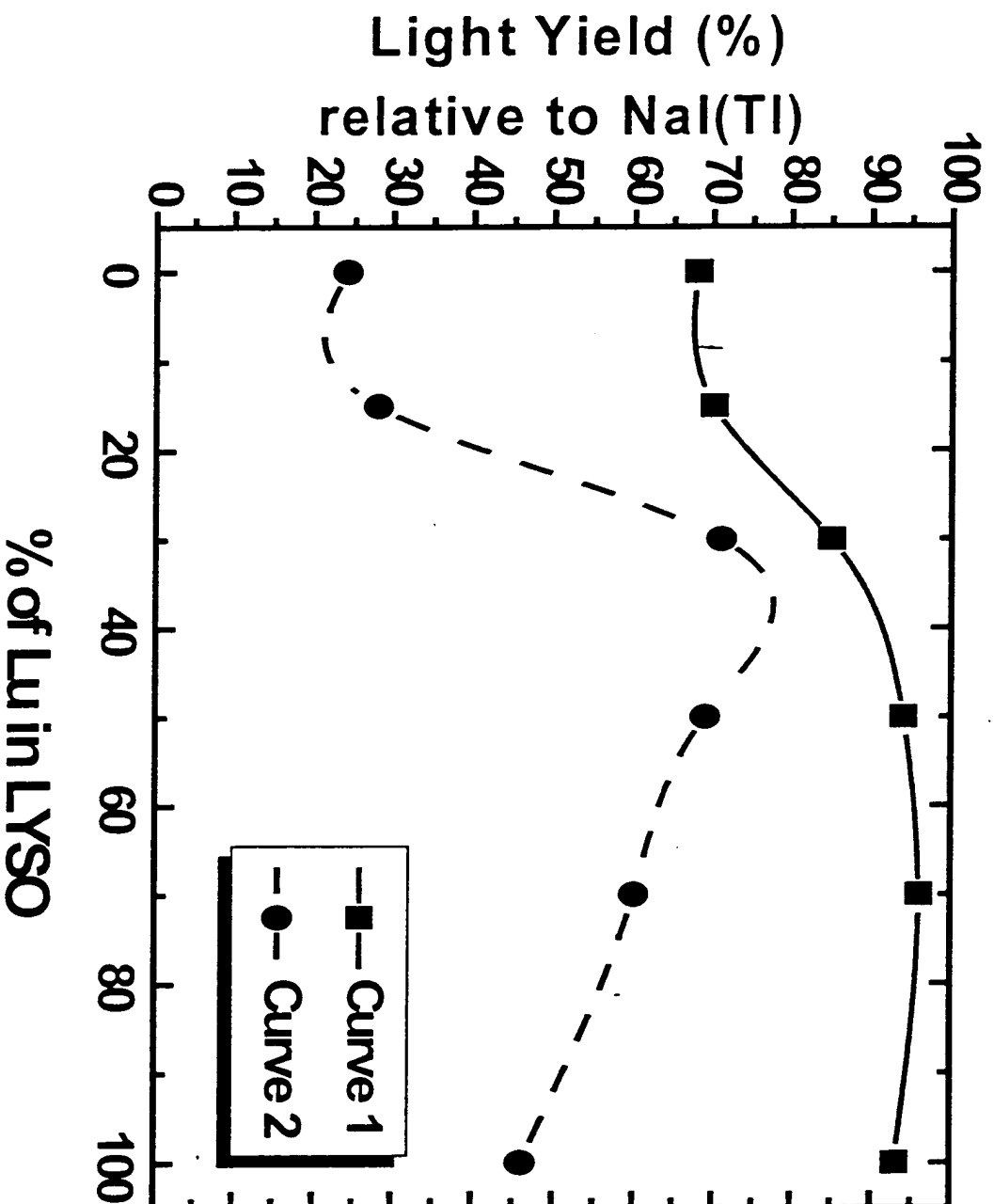
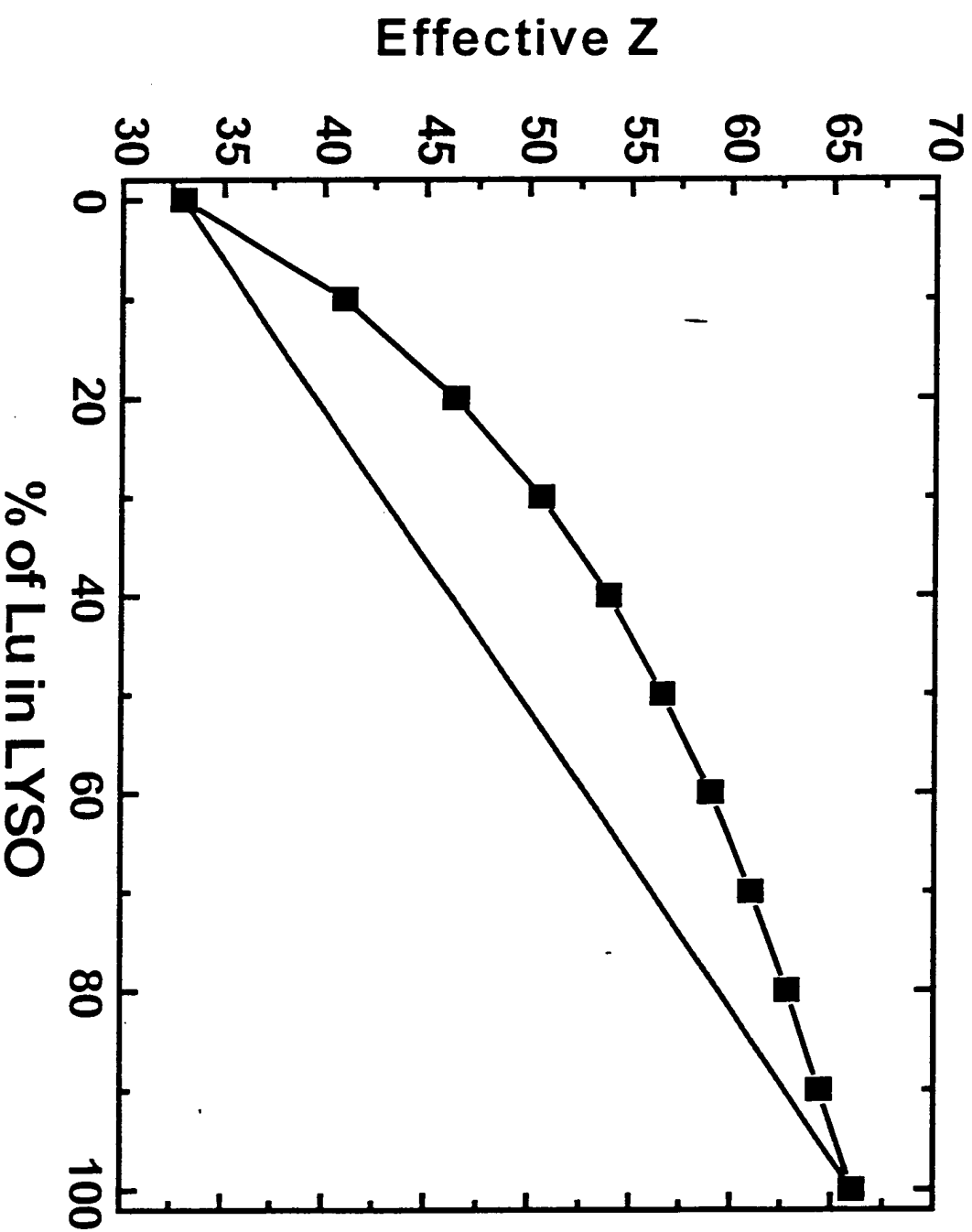


Fig. 4

# Effective Z as a function of Lu in LYSO



# $\text{Ce}^{3+}:\text{Y}_2\text{SiO}_5$ Absorption and Emission Spectra

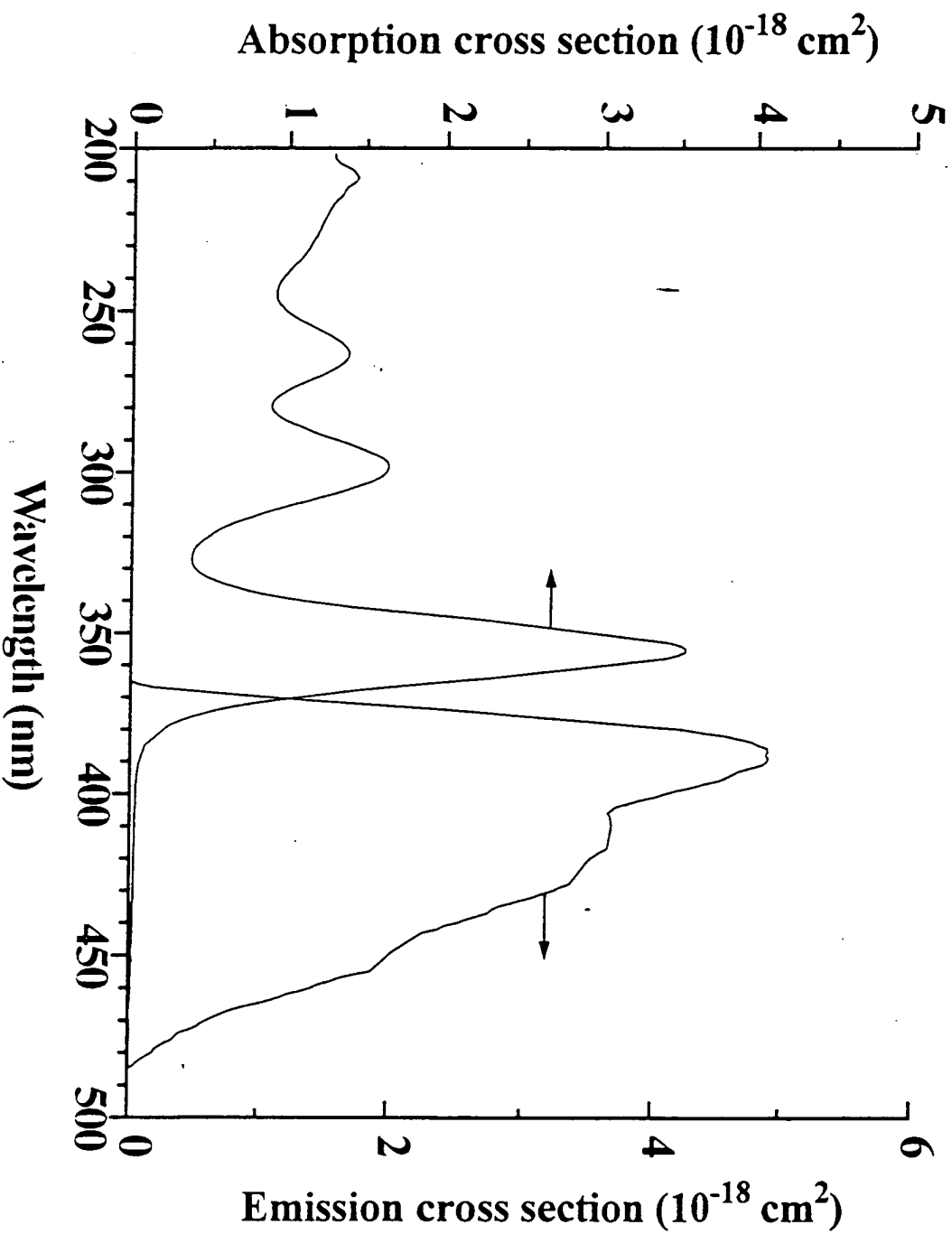
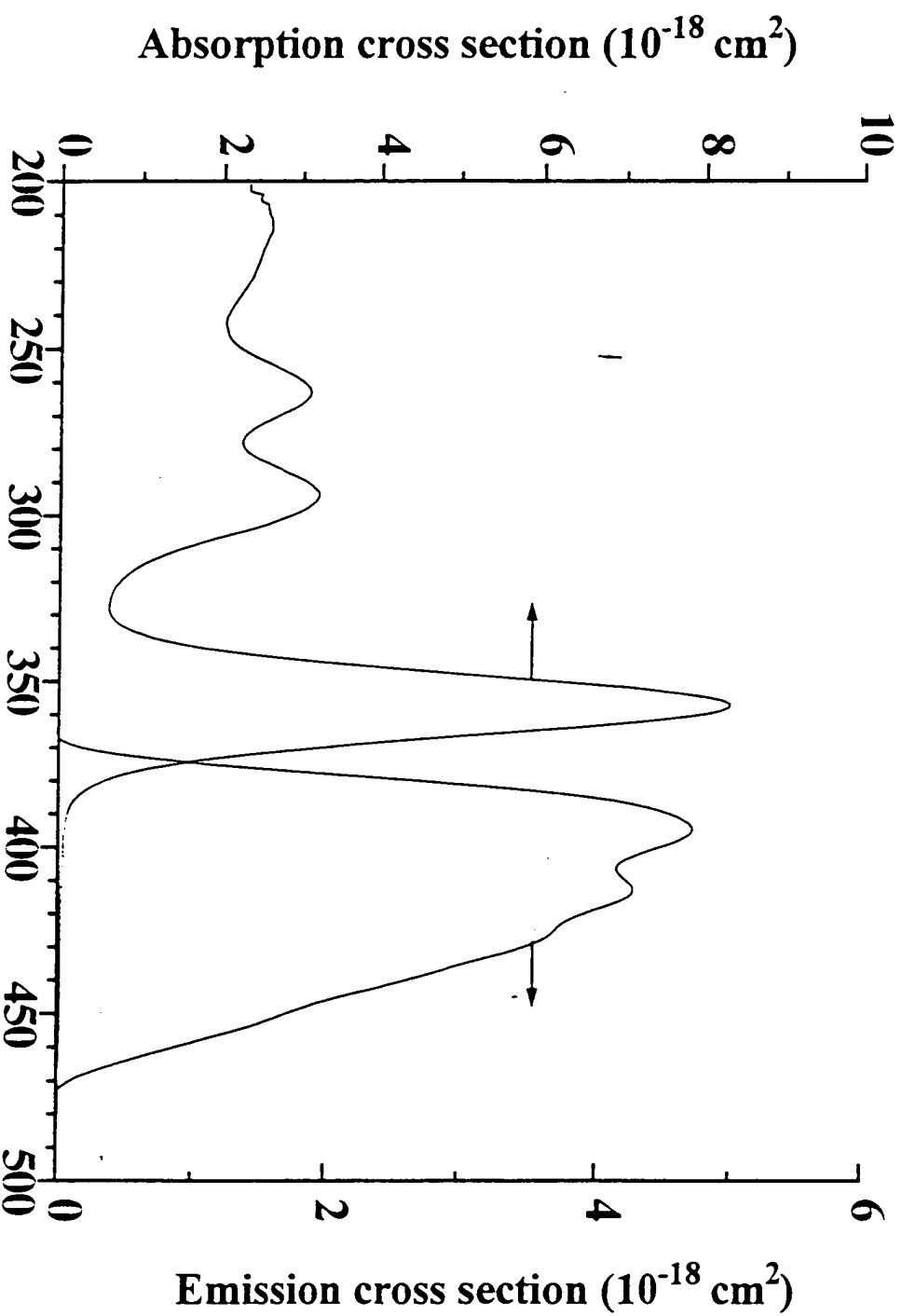


Fig. 1A (K50)

# $\text{Ce}^{3+}:\text{Lu}_2\text{SiO}_5$ Absorption and Emission Spectra



$F_{19} 113 (450)$

# Scintillating Detectors

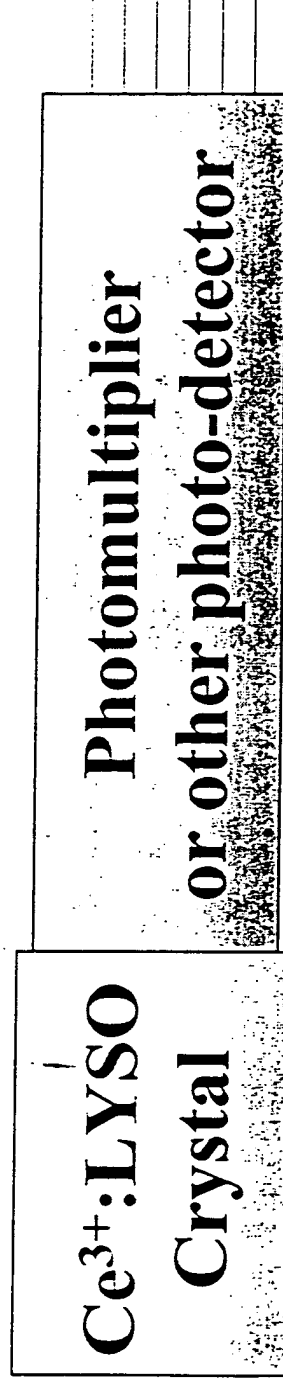


Fig. 2

# Scintillating Result

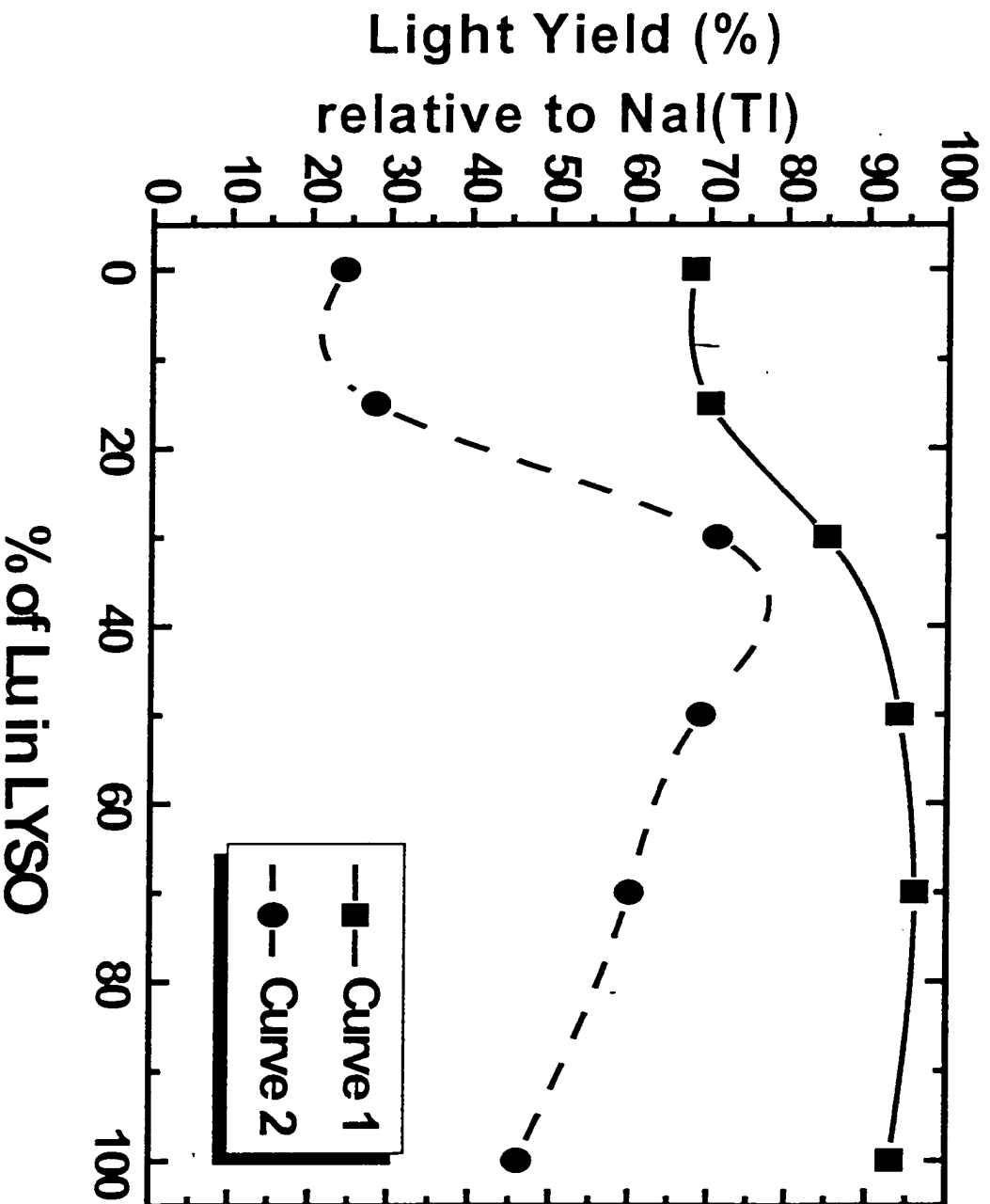


Fig. 3

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# Effective Z as a function of Lu in LYSO

